

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [12013] 38S GETTING CLOSER
Message-ID: <9701148559.AA855940511@smtpgw.ccgate.dl.nec.com>

OK, may be getting a bit closer to solving my
38S tuning problem.

In looking at the tuning circuit with a scope,
here's what I get. On L1 side of X1, I get a
nice little sine wave. On the other side of X1
(at C7/U1 pin 6 junction) I get no waveform, just
about 0.6vdc.

Also, on either side of X2, I get no sinewave. X3
appears to be oscillating nicely.

So, maybe a problem with with X1 and X2 not oscillating?
Surely I should be getting a wave at X2? (yes, and don't
call me surely!). Does this sound off base, or am I on
to something?

TIA

73 de Dave NR3E
nr Dallas, TX
qrp-1 #25, ARRL

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Al Hunter <ahunter@inland.net>
Subject: [12021] 38S message headers
Message-ID: <3.0.1.32.19970214083035.0068c1ec@inland.net>

Hi gang.....a suggestion, when posting info relative to the NC38S, have the
subject include a reference to 38, 38S or NC38S. Using filters with my
Eudora mail program, I have a separate mailbox called '38'. That way, I can
quickly read all the 38 special mail and it also makes it easier to print
out the contents of that mailbox.

72/73

Al - AA6SO

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [12047] 38s, etc.
Message-ID: <19970214.115752.3398.2.gsurrency@juno.com>

Same problem here. Mine only goes from 10.118 to 10.120. I tried several different 1N4001s and a MV209 varactor, but none of that seemed to help. I'm also having no luck with the RIT mod. Was there an error in the RIT diagram? My RIT just doesn't do anything. I used 1N4148s for D301-D302, since I don't have any 1N914s. Is that it?

I'm using a 100k pot for tuning, a 10k pot for the RIT control, and a 1K pot for the RF gain. All came from Circuit Specialist in Mesa, but they have Mouser stamped on 'em! A whopping \$0.86 ea. :-) Much nicer than the R/S pots, too.

I am wondering if the second group shipment of 38s uses a different 22.12 Mhz crystal type for the VX0? Anybody else having these problems with limited VX0 tuning range? I use my ARK30 to determine the frequency range. The 38s seems to hear OK. I use stereo 'phones with the L and R channels in series to present a better (higher) impedance to the audio output level.

I found only one of the larger diameter chokes for L1 worked very well for the VX0. It is the JW Miller series 9310 6.8 uH type. The smaller series 9210 didn't work as well. Funny, they both have the same Q. 50. What are the rest of you using for the 6.8 uH choke? What kind of VX0 range are you getting?

I also found if the tuning pot is turned too far, the VX0 will output some real garbage and cause the 74HC240 to heat up. Watch out for that, cause it can destroy your '240. Must be some kind of VHF/UHF badger. This happens in receive. The '240 should barely warm at all during transmit, not receive. I did put the 330 pf cap at C26. Also put a wire jumper at D8 to put the R- voltage on the unused sidetone inverters, so they wouldn't drift around and cause hash and heat.

I get the standard 5w from the IRF510, it sounds OK, but there is no CW wave shaping circuitry. As a result, the envelope has very fast rise/fall times and key clicks. I used the 560-1000-560 pf cap

arrangement
for the output filter. Had to remove one turn from the input filter
toroid
and the transmit filter toroid to get 2 peaks, since I do wind tight
toroids. (!)
No surprises here. ;-)

The TiCK works fine, and I can hear the telemetry tones, but when using
the straight key mode, there is no sidetone. I went and bought a few
extra
74HC240s for spares, and also a few CD4066s to see if they had any less
"thump". The ones I got were made by Harris, my old employer. The
originals
were from Thompson Electronics, I believe, with the ST brand on them.
Have
yet to try these.

Think I'll go review all the 38s posts, or go work on the LDG QRP tuner
for a
while. Time to reflect on the 38s. At least my IRF510 is still holding in
the
smoke. Gotta a spare, just in case. :^)

Thanks for the bandwidth and any suggestions or help some of you may
have. I can't be very far from putting this 38s on the air. Just need to
chase
away the remaining few badgers. Has Nils been finished off by the badgers
and they're after me now?

Fox results here this week were pitiful. Maybe next week it'll improve.

73 to all,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
Subject: [12049] 38S: YES!!!!!!! (Finally...)
Message-ID: <3304F34D.127D@wt.net>

(And the R-Shack DSP made a nice back-end amp for this 1st QSO; gotta
get an extra for my car.....)
Amen!!!! After, and because of, much support from many of you out there,

I just had the 1st QSO with the new little guy/38S at a nice 579 with Ted/W0... in Kansas from here in Houston. Thanks for the many troubleshooting/mod/help/sympathy mailings.

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WA8GHZ /5 / === === o === o === o o === === o
Jack /Houston / "Operating with my 5,000lb counterpoise
 made in 1979 by the Cadillac Motor Company."

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: w8lrm@qtm.net
Subject: [11974] 40 meter solution
Message-ID: <199702140145.UAA29185@garcon.qtm.net>

Restore the band to its original designation
of CW only. Those suggesting changes
keep in mind in some areas of the world
(ie So Pacific) SSB is permitted down to
7050. Just my 1 3/4 cents worth.
 de....W8LRM.....Al

MI-QRP #41 QRP-L #532 QRP-ARCI #6524
G-QRP #4152 NOR-CAL #246 CQC #289 (EN62RE)
>From Southwest Michigans Sunset Coast:
Saint Joseph, Berrien County, Michigan !

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [12050] 49er info
Message-ID: <Pine.SUN.3.91.970214142919.5902B-100000@kitsune.swcp.com>

Hello qrp guru's! My 49er seems to motorboat and goes into oscillation. Transmitter seems FB. Also, after transmitting the receiver seems to take too long to recover, but that is only once in a while. Any ideas would be appreciated. I had one reply earlier but accidentally deleted it. Thanks much, Tom 72 WB5QYT.....

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [12051] Additional Info on KL7G Code Practice Station
Message-ID: <3304EE70.3E63@alaska.net>

Info filled in by KL7CC, keeper of the KL7G Code Practice.

Jim and Nancy Larsen wrote:

>

> Hi Jim,

>

> How much power does KL7G run during code practice?

> 400 Watts output

> How long is each session (apprx.)?

Approximately 40 minutes, starting on the hour

>

> What kind and how high is the antenna?

> Inverted Vee at 45 feet

> I got to thinking, the QRP group I hang out with (1300 strong) might

> like to use the code practice as a daily 80 meter beacon. It could be a

> great beacon without being a beacon. Yes?

> Should be useful. I hear some others are also using it to monitor
propagation to KL7 on 80

> WATSA?

> An anecdote: Seems some fishermen were illegally using the 80 meter
band for their communications, and happened to settle on 3575 as a
pirate "calling channel". They were right miffed that "some damn
jammer" keeps coming on with "that dot-dash stuff" on "their"
frequency. Maybe there is a God after all.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Joe Gervais <vole@primenet.com>

Subject: [12055] Adventure Radio Society WAS Award

Message-ID: <199702142328.QAA24674@usr02.primenet.com>

Howdy Jeff,

Hope you don't mind if I copy the List on this...

> What's ARS WAS? Does Adventure Radio Soc. have a special WAS? What

> do you have to do, work 50 states with a 1 oz. radio while rock climbing?

While yodelling, even. :-)

Yep, there's a special ARS WAS. Basically work all 50 states
while wandering in the wilderness via human power. Backpacker's
WAS, essentially. Or mountain biker, kayaker, etc. Check out

their homepage for more info:

<<http://members.aol.com/adradio/index.html>>

I hope to start chasing it this Spring, starting with a mountain bike trip up near Prescott, AZ. 'Course it'll make my life easier if I happen to pick a contest weekend like QRP TTF. :-)

Anyone else been trying for ARS WAS?

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: "Jeff M. Gold" <JMG@tntech.edu>

Subject: [12006] AT-11

Message-ID: <01IFEDAMF7AA8WYPF1@tntech.edu>

good morning!

well got worried after Scott's posting. That many pins that wouldn't fit on the board didn't seem like much fun at all. Well got home after a 16 hour day and of course still had to go to the "cave" and check it out. My board also has the too little hole problem.

I ended up doing what I did for the IN4001 that wouldn't fit in the board. I took a small awl (think that is what it is called.. small pointed end on a screwdriver like handle. came with some allen wrench set). I carefully stuck it in an little by little worked the holes larger.. then worked the pins through it.. this way you don't mess the plating.

BEFORE you solder, make SURE you have soldered in the .01 caps that are next to it. I had a really clean iron and was real careful, still managed to solder up two of the cap holes. Think I got everything straightened out.. looks real good under the magnifying glass.. on corners where parts are packed like sardines, I have been soldering them one at a time and checking them with magnifying glass.. also it is very easy to get a solder bridge in this area.

I really like the project, guess there is an electronic reason for having big spaces on the board and then stuff real.. real.. real..

close together.

In some ways this is very easy to build because of the number of the same value components, in some ways this appears to be the easiest project I have come across to mess up .. if you aren't careful. I really recommend a magnifying glass.

73

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Richard Edwards <edwardsw@concentric.net>

Subject: [12002] AT-11 Hint

Message-ID: <33048835.1E5B@concentric.net>

All AT-11 Buyers:

Likewise I had the problem with the 14 pin header holes being too small. I was able to use a 1/32 drill bit in a pin vise to clean out the holes. No pad material was taken off, and looked as if it was still plated through. Still needed to apply manual force, but works well. Also the same drill bit was used for D20.

Hint for T1. After winding I use a match to burn off the insulation, starting at the end. Use caution, do not apply heat for too long. Use soldering paste, before tinning. I use ethyl methyl isopropyl mixture with a shorten acid brush to abt 1/4 inch to clean afterwards

Use the AT-11 Parts Placement for part location, I had one of the 0.01 uf 50v mono caps left over, any one else? At power up test w/ 13.8 v applied I had no indication.

Install a jumper in on/off. Load was 4.5 mA w/no smoke.

Looks good so far. I was planning to install in RS project box. I thought there was a posting that some one had a front panel layout in some format ?

73, N3QEN - Rick

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: N4JS <jsielke@pobox.com>

Subject: [12053] Azores on 10.115

Message-ID: <Pine.LNX.3.95.970214180239.4632A-1000000@jsielke.ppp.cyberenet.net>

CU2AR is 579 on 10.115Mhz now (2300Z). Came right back to my 4W. Small pile-up. Hey, you get what you can with sunspots as they are!

<pre> _ _ _ _ _ \ _ / _ _ . ' _ _ \ _ _ \ _ \ _ \ _ _ / _ _ / NE-QRP #507 G-QRP #9544 </pre>	<p>John L. Sielke n4js@amsat.org n4js@pobox.com n4js@n4js.ampr.org NJ Grid:FM29LN http://www.pobox.com/~n4js NJ-QRP #57 QRP-L #884 QRP-ARCI #9328 Norcal #???? QCWA Life Member</p>
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From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Brent Alexenko <alexenko@prairie.nodak.edu>
Subject: [12029] Can you hear me? (Part II)
Message-ID: <Pine.OSF.3.91.970214111456.22564B-1000000@prairie.nodak.edu>

First of all, thanks to everyone who has offered wonderful suggestions.

The biggest problem is the apartment itself and it's physical properties.
I live in a: One bedroom (pseduo-efficiency apartment)

With: No balcony
No attic
No rain-gutter (heard of tuning them up!)
No trees nearby
No roof access (but am on third floor)

Hmm...it's frustrating, but I'm determined to get this working. I can
toss a wire out the window, but I'm not sure what the people below me
will make of a wire across their window (hey, let's pull on this!).
Besides, it's 25 degrees today, and that's the warmest it's been in quite
a while. I REALLY don't want to operate with an open window. :)

I've considered Isotrons, but heard that they work marginally with QRP,
and I want to be able to work more than one band. If I can get 40 and
higher, I'll be a happy camper. The building is in a open space, with
nothing very close by.

In the meantime, I've been playing with my Hamsticks. It's rather funny
looking because I've got them balanced on an old bar stool in the middle
of the living room/kitchen. I can hear you all out there, but so far
nothing I send out has been responded to.

Well, I figure if Col. Hogan and the boys at Stalag 13 could get London
with just the verticle on the flagpole, I'll find something also.

Keep those suggestions coming.

Thanks for all the help.

Brent
KG0WE

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Glen Reid <k5hgb@flash.net>
Subject: [11966] Central Texas QRP Club Formation
Message-ID: <3303B537.77B3@flash.net>

Anyone insterested in a QRP Club forming in
Central Texas, please send me an email with name,
call, and address for more information.

Also looking for good suggestions on
possible meeting places south of Dallas,north of
San Antonio, west of Houston and east of where
ever. Well, that area maybe a bit expansive, but
you get the idea.

This will be a club for fun and fellowship only.

No dues, no officers, no bylaws. Just some good
conversation and QRP interest.

Glen Reid
K5HGB
Austin

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: TMOLL@aol.com
Subject: [12016] Flux removal
Message-ID: <970214105010_-1006206632@emout20.mail.aol.com>

I think there was an earlier thread on this that I missed - Wondering what
the suggested product / technique is for proper flux removal from a pc
board. Thanks.

Tom NoBS

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: James Bennett <james@research.nj.nec.com>
Subject: [12054] Fox Monday evening
Message-ID: <Pine.sol.3.91.970214161233.26477A-1000000@shakti>

I will have my second and last turn as fox this Monday evening.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Dana Michael <damichael@amp.com>

Subject: [12001] FS -Price Reduced - HW-9+WARC and HW-99

Message-ID: <199702141241.HAA81523@nss2.CC.Lehigh.EDU>

Still for sale:

HW-9 +WARC Pack and manuals, \$265.

In good shape, a few scratches on top of case, but works great.

HW-99 and manuals, \$265.

Also in good shape, a few scratches on the case, but works great.

If interested, please call 1-717-810-2891 between 6:30 AM and 3:30 PM EST or 1-717-896-3979 between 4:00 PM and 10:00 PM EST or e-mail.

Thanks, D. A. MIKE MICHAEL W3TS.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Jim Hydzik <congress@magpage.com>

Subject: [12012] FSFD (50 States) Update for Feb. 14

Message-ID: <199702141453.JAA04946@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

Please read NOTE 1 at bottom of page.

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 19. Below is a the schedule of the remaining States. We will attempt to provide digested schedules of states/times/bands/freqs to help reduce message traffic to the reflector. Typically, only 1 message per day.

ALL TIMES UTC

Feb. 14 Friday	MISSISSIPPI	K5XU, Mike	0000-0450	SAT-UTC	7.037+
			0100-0145	SAT-UTC	3.556+
			0200-0230	SAT-UTC	7.037+
			0230-0300	SAT-UTC	3.556+

Feb. 15 Saturday	VIRGINIA	N7RI, Ralph	1400-1600	UTC	Top of Hr=14.060
					Bottom of Hr=10.106
			1900-2100	UTC	same as above

0000-0230 SUN-UTC 7.035-045
 0300-0500 SUN-UTC 3.560 at
 Top and Bottom of hr.

NOTE: This weekend an ARRL-CW contest which will probably add a little challenge to FSFD. Tighten up those filters.

Feb. 16 Sunday	WASHINGTON	N7MFB, Bill	1600-1800	UTC	7.037
		RTTY RTTY-->	2100-2300	UTC	14.086
		SSB-QRP-->	N7TCZ, Jim	1800-2000	UTC 28.385
		KJ7NS, Phil	0200-0300	MON-UTC	7.112-115
			0300-0400	MON-UTC	7.040-041
		K7MP, John	TBA	TBA	TBA

Feb. 17 Monday	Washington D.C.	N3FRT, Bob	1030	UTC	7.042
			1100	UTC	7.110
			1130	UTC	7.042
			1200	UTC	7.110
			1230	UTC	10.116
			1700	UTC	21.125
			1730	UTC	14.045
			0000	TUE-UTC	10.116
			0030	TUE-UTC	7.110
			0100	TUE-UTC	7.042
		K3VOA, Steve	1500-1530	UTC	10.118
			1530-1600	UTC	14.055
Bob and Steve will stay on			1600-1630	UTC	10.116
freq. as long as there are			1630-1700	UTC	14.055
stations to work.			1700-1730	UTC	21.060
			2200-2230	UTC	21.060
			2230-2300	UTC	14.055
			0200-0230	TUE-UTC	10.116
			0230-0300	TUE-UTC	7.037
			0300-0330	TUE-UTC	3.560
			0330-0400	TUE-UTC	7.037
			0400-0430	TUE-UTC	3.560
IF the ant. tuner gets fixed-->			0430-0500	TUE-UTC	1.810

Feb. 18 Tue. CANADA So far: VE3FLB/VE3JC/VE5RC/VE7CQK.
 NEED MORE CANADIAN STATIONS!

Feb. 19 Wednesday	VERMONT	W1EAT, Tom	1700-1730	UTC	21.060
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1730-1800	UTC	14.060
2300-2400	UTC	14.060
0000-0100	Thur-UTC	7.040
0100-0200	Thur-UTC	3.560
0200-0300	Thur-UTC	1.810

 Feb. 22-23 FYB0 and FSFD Blow Out So far: AL7FS-Alaska, KJ7UN-Montana,
 NR3Z-PA, N7CQR-OR, N7MR (& WY. crew), WB0QQT-Nebr, WS4S-TN.

Like to get some 20M-30M action in the afternoon!!!

The FSFD Blow Out Weekend is in the planning stages to work with and in FYB0.
 More info to follow. Looking for North Dakota this weekend.

NOTE 1. Most sign-ups came with a note saying they would go longer if busy.
 Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.
 If am major QRP frequency is listed, like 7.040, it means close by if
 possible. We will attempt to avoid being right on 7.040, 14.060, 10.116, etc.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc,
 we give those not on QRP-L an indication of what we're doing. FSFD type
 calling might be too cryptic for all but ourselves. However 'FS' is fine
 when busy. Exchange RST, State/Province/Country, and Name. Power level is
 nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
congress@magpage.com

Remember, Jim K1MG starts up 50/40 activity next month. Watch for messages.

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
 From: Joe Gervais <vole@primenet.com>
 Subject: [11976] FSFD Fox into the Twilight Zone
 Message-ID: <199702140202.TAA14700@usr07.primenet.com>

Howdy Folks,

Well *that* was weird! Got home from work, played with
 the kids a bit, then roamed into the shack to look for
 Bob (AB7ST), the UT FSFD "Fox". Found him right on the
 nose, nice 579 sig, called once and got him! Or so I
 thought. Before he could even send my RST, he was gone.
 Zip. Nada. Not even a peep.

Now I can hear people working him, but nary a hint of Bob himself. Argh! Curse this QSB! 30 seconds sooner and I would've had him! Gonna be a long night....

grump *grump* *grump*

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Bob Follett" <bfollett@ditell.com>
Subject: [11980] FSFD Report from UT
Message-ID: <199702140327.UAA26574@mars.ditell.com>

Gang:

I was in the hot seat for Utah today, all by my lonesome :-)

Patterns were interesting: Lots of long skip during the day.

1600UTC on 30M, I worked 5 stations, all in the first 15 minutes -- they were looking for me, I guess. Then nothing
1800UTC on 15M, I called CQ for 15 minutes, as promised, but the band was dead. should have chosen 20M or 17M (How come no one picks 17M?)

2200UTC 20M, I worked 7 stations, again, looking for me, and very quiet the last 30 minutes.
2300UTC 30M, I worked 11 stations, mostly in the first 30 minutes.

0100UTC 40M, Ah, more activity! worked 23 stations in 1 hour and 20 minutes, then fairly quiet.

Great day, 46 stations total. I will QSL to all who mail me a card, no SASE required, address below.

Was running TS850 16 poles of filtering (Now I had to use the RIT), 5 Watts, EQF Logger, and R-7 Vertical. My first real attempt at using a logger for CW. Few mistakes, but I can see how it helps in a contest. New skills, thats what its about...

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS

2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [12030] Handicapped assistance & NorCal
Message-ID: <1.5.4.16.19970214102133.45e7ee12@telis.org>

Someone suggested that NorCal add \$1 to each kit and then use the extra to provide kits for handicapped, etc. I don't think that is a good idea. NorCal prices kits at a low price in order to make it feasible for everyone to be involved. The added dollar would be a tax, and the government already taxes us enough. With the \$25 kits that we have done, many have chosen to order more than one, and I suspect many of these extra kits wind up in the hands of the less fortunate, or the young, etc. But, the choice to do so is by the individual, not as a result of our action. Plus, Jim does not need any more bookkeeping to do.

If I may add a suggestion, let it be this. If you know of a handicapped ham in the area that would benefit from a free kit, why don't you get your local club to spring for the \$25, or 5 guys chip in \$5 etc., that way the ones responsible will get the credit and the thanks. It keeps us out of the "taxing" business, and it keeps those who are scraping together enough to order a kit from having to get another \$1 together.
72, Doug, Ki6DS

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Stew Whitehouse <STEW_W@compuserve.com>
Subject: [11972] Help: N.J. qrp web page
Message-ID: <199702132034_MC2-1135-4B75@compuserve.com>

Hi folks,
I'm having a problem trying to log into the N.J. QRP Club Web Page. Just as all the graphics etc. seem to finish downloading, my computer keyboard and mouse locks-up. The only way I can regain control is to do a soft reset of the computer (Ctrl-Alt-Del, these key seem to work). I haven't had this problem with any other site. Anyone else have this problem or is it just me?

Computer here is IBM Aptiva, Pentium 133, 16 ram, Windows 95 and I use MSN (Microsoft Network) and a pre-release version of

MSN 3.0.1 for internet access. Also happens if I try going thru Compuserve. Any and all help gratefully accepted.

Oh, it is a QRP web page!

72/73 Stew KE4YH
Dunedin, Florida

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [11968] Hot off the press
Message-ID: <v01540b00ad46e6b39778@[157.142.8.162]>

Well, I don't know if it is hot off the press or not, but MFJ is now publishing "Ferromagnetic core design and application handbook" by Doug DeMaw. Price is \$19.95. I plan on getting a copy.

Usual disclaimers, blah, blah...

Mike N5JKY
Edmond, OK

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [12022] Hurry Up!
Message-ID: <Pine.OSF.3.95.970214111434.22281A-1000000@saturn.acs.oakland.edu>

Hey Folks!

I just checked the qrp-l number program and if you haven't got yours yet, you may want to jump on it to save yourself an extra character.

We currently have 995 QRP-L Numbers issued! Only FOUR more left before we hit 4-digit numbers.

To get YOURS, send a message to: listserv@leigh.edu

With a single line of text: run qrp-l x getnr YOUR_CALLSIGN

For Example: run qrp-l x getnr W8KC

Your number is FREE, non-replaceable, and is yours for life.

73! =paul= W8KC
qrp-1 #59

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Richard Wilkerson <richqrp@cts.com>
Subject: [12011] IRF510
Message-ID: <3304628D.121B@cts.com>

My 38 spl works great, but I keep popping the IRF510. Is this due to a bad SWR? It always happens while tuning up with an antenna tuner. Or should I look for another cause? Thanks rich

--

Rich Wilkerson, WD6FDD, Santee, Ca.
ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: TMOLL@aol.com
Subject: [12015] Kit builders / handicapped
Message-ID: <970214103441_-1374864772@emout18.mail.aol.com>

I think this initiative is great! How about taking it one step further. On future deals like the Norcal 38S, allow an optional additional contribution by purchasers that would go for the purchase of kits for handicapped, etc. that volunteer builders would put together. Just think, out of 500+ 38S rigs sold, if every one added a single dollar over the already bargain price, that would have purchased 20 kits to go to people that would certainly appreciate and use them. I bet we could easily get enough contributions this way to put another 100 rigs on 30m. Getting someone or some group to organize and oversee / qualify who gets the gear might be the tough part. Maybe the Courage Center Handi Ham system here in MN might help out.

Any other ideas?

Tom, NoBS

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: QRPDave@aol.com
Subject: [11995] Kit builders for others
Message-ID: <970214023443_1448573810@emout07.mail.aol.com>

Friends;

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: QRPDave@aol.com
Subject: [11996] Kit builders for others
Message-ID: <970214024326_983775862@emout09.mail.aol.com>

Friends;

I am floored. Absolutely amazed. Thrilled at the HUGE number of folks who have volunteered to build kits for hams who are older or physically or visually handicapped so they can participate in both ham radio in general and QRP specifically.

I am now accumulating a list of builders who will build for no fee, slight fee, or modest fee kits that others buy but cannot assemble due to visual difficulties or perhaps arthritis or Parkinson's disease. Usually these kits are the only ticket one has to get into QRP. Paul Hardin mentioned that QRP rigs are especially good for the visually handicapped because the controls are very simple.

If you are someone who needs a kit built, drop me a note and let me know what you have, your address, and whether or not finances are a difficulty. I think I will try to introduce the two parties, and then allow them to make the formal arrangements. Right now, things are a single file folder near my computer. After the response of the first day, I have no idea where it will go.

Gentlemen and Ladies, I am humbled at your willingness to help. I might add that there may be a young ham who is inexperienced and a bit afraid to build his or her first kit. What a privilege for some Elmer out there!!!!?

So people, let me know what you think. (I would like to include manufacturers of the kits who would be willing to do something). Millions of 73's, QRPDave@AOL.COM

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: AMCCLOSKEY@cayman.vf.mmc.com
Subject: [12044] Kit building for blind and visually impaired hams
Message-ID: <970214141652.2060126c@cayman.vf.mmc.com>

Hi gang:

I have been a member of this list for quite a while and I have really enjoyed all the good information posted hear.

My thanks to Dave Smith, KE6PUF, for his ideas on kit building for the blind and visually impaired.

As a blind ham and also an engineer, I know that a service like dave mentioned would be welcomed, and extremely helpful. There a lot of great kits out there, and there ease of use is really appealing, but assembling them poses a sligh pproblem.

While building a kit with a pc board is a problem, it is certainly possible to build equipment from scratch using perf board and some simple techniques. During my years as a ham, I have built a number of pieces of equipment including power supplies, transmitters, receivers and have also adapted commercial test equipment for my use, with pritty good success. I usually write a verbal description of the schematic and work from that.

Joe Everhart, NC2X mentioned the availability of verbal schematics. At the present time, QST is the only hobby magazine I know of that makes its schematics available in a verbal form. Having someone who might occasionally be able to describe a schematic would be extremely helpful to blind and visually impaired hams, who like me enjoy building there own equipment. If there is any interest, I would be glad to discuss some of the techniques that worked for me.

My thanks to everyone on the list for your interest and all the good information.

Tony McCloskey, WA3CA0

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: QRPDave@aol.com
Subject: [11994] Kits for handicapped/vision limited
Message-ID: <970214023404_277063794@emout20.mail.aol.com>

Dear Friends;

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Jim and Nancy Larsen <larsennc@alaska.net>
Subject: [11985] KL7G Code Practice Schedule - 80 meters
Message-ID: <3303F878.6A8D@alaska.net>

Greetings from Alaska,

I was just reading my South Central Radio Club News this afternoon and then as I was tuning around on 80 meters this evening I ran into KL7G code practice. I finally put the two together and realized the code practice could function as a beacon from Anchorage. Here are the details from the newsletter.

KL7G Code Practice Schedule

All times are Alaska Time

7:00 AM, 10:00 AM, 4:00 PM, 7:00 PM, 10:00 PM AK time, every day.

Yep, every day.

Frequency is 3575 KHz

Sending Speeds: 22 WPM, 15 WPM, 7 WPM

Have fun.

I have an email sent to the newsletter editor to find out antenna and power output of the KL7G Code Practice Station. I will let you all know.

73,

Jim
AL7FS
Anchorage, Alaska

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: ko4a@juno.com (Harold "JOHN" KOHL Jr)
Subject: [12004] LDG AT-11 construction pitfall
Message-ID: <19970214.083258.9726.0.K04A@juno.com>

As commented, I found the 7x2 connector would not fit in the holes in the board as well as the 1n4001 diode.

1. I drilled out the holes for the diode which was not a major problem since the plated through holes did not link the two sides of the board.

2. Scott warned the 7x2 connector pins holes did provide linkage (plate through) so I had to reduce the size of the pins. I used a

jewelers file to round off the corners. By placing the file on a 45 degree angle between the pins (it snugly fit between them) it rubbed on both sides of the corners doing the trick. If you do not have a jewelers file an emery board/nail file should work.

3. Now to the fun part, winding the toroids. the T1 bipiliar did not seem to hard.

Hope this helps those that have not gotten to this point.

72 John K04A

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "duane" <duane@flinet.com>
Subject: [12000] My 38s doesn't work
Message-ID: <199702141055.FAA03761@shell.flinet.com>

I have put together my 38s and can not get it on freq.
it starts at 10.120 to 10.150 . I monitored it with my receiver. the output is too low for my freq counter and all i get is random readings. I also checked out the voltages all seems well expect for U-5. I have rechecked the parts placement 4 times now and all the parts are in their correct place, i also resoldered the connections 2 times now. still the freq is off. the band tuning is (var resistor) not smooth in other words I can not get it to tune up the band with out large freq jumps. anyone out there have any of these problems building the 38s ?
please email me direct if you can help thanks
Duane AB4BE
<http://www.flinet.com/~duane>
duane@flinet.com
ab4be@amsat.org

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Nick Franco <kf2ph@bnl.gov>
Subject: [12019] N.D. on 30m This AM
Message-ID: <33048EB1.1B8A@bnl.gov>

I was doing my normal search and pounce on 30 this morning. There were very few sigs that I could hear in the mobile. I get a little engine noise on my SW-30 receive so I loose the real weak ones. As I tuned around the band I suddenly heard a relatively weak stn calling CQ. I tuned a little finer on him and could solid copy his sig. He was going real slow and deliberate. I answered KB0YBX back and he had some

trouble copying my QRP sig, but eventually got the call right. We exchange just the basics and ended the QSO. He is from Minot, ND. I was elated and surprized to get ND from the car. It was like a rare DX stn. I send off an email to Phil who yesterday said all he needs for WAS/QRP is ND. I hope he can look for Matt - KBOYBX in the am's. Maybe he'll be on more often. Figured I'd share this with the group seeing as there was so much chatter about getting ND and the FSFD thingy.

Good Luck guys and gals.

PS: I don't have a calibrated dial or freq readout of any kind on my SW-30. I set the VFO for 10.102 through 10.127 MHz and just tool around that part of the band with the tuning pot and never know or care where I am exactly. So, I can't give you all a freq. zone to look for Matt on.

nick - kf2ph

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
Subject: [12034] NC38s:thumper question
Message-ID: <1997Feb14.123112-0500@[130.113.234.7]>

My thump amplitude is going down. As a matter of fact, at high keying speeds, there's no thump at all. Have done so many mods that this rig is no longer similar to others.

Notice that the longer the key is down, the louder the thump is when the key goes up. Want to know if this is typical of other thumpers?

If this is the case, the problem may be self-discharing in some of those coupling capacitors, while the 4066 switch is open. You get a thump when the switch closes, and the coupling capacitor suddenly re-charges.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Marcus Harton <mharton@freedomforum.org>
Subject: [12007] Need mrf479 substitution advice
Message-ID: <3.0.32.19970214091458.0069d210@freedomforum.org>

I am troubleshooting my first kit construction project that I put aside years ago after smoking it on initial powerup.

The mrf479 PA was one of the components destroyed. It is supposed to take 0.7 watts from the driver and boost it to 15 watts out.

I obviously need to replace the bad transistor, but wonder if it is possible to substitute a different PA that would look the same to the driver but give me a more politically correct 5 watts out?

My fantasy scenario would be to make the substitution without having to otherwise modify my PA circuit board, so I would like to match the case/leads of the mrf479.

TNX es 72,
Marcus nz4e, ex ae4ex

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: ka7you@juno.com
Subject: [11998] Ni-cads and all
Message-ID: <19970213.235147.2871.2.KA7YOU@juno.com>

Jim, Lynn, John and the QRP-L group,

This is a response to a local club discussion, but I decided to post it to The QRP-L list also.

I must agree with Jim (IARC member) about the batteries drying up.

But they come

sealed, and will only vent when subjected to excessive heat. This is usually a result of overcharging. I've seen too many people use them with substandard charging circuits. I am a good example of this too.

I've destroyed my fair share of them, and a couple of small lead acid batteries as well by using the wrong charging equipment, or by just leaving it on the charger too long.

The other thing that happens to Ni-cads, is the problem of dendrites inside. These are little whisker-like crystalline structures that seem to grow from one pole to the other. When the battery is left discharged, apparently, they can form a short and the cell will not take a recharge. I have done a "ZAP" on many ni-cads, and returned them to useful service.

To do this, I charge up a large capacitor to 50 to 60 volts using a bench supply and then connect it across the battery terminals. This method was written up in Popular Electronics over twenty years ago, and it has worked for me many times.

One of our friends moved a few years ago, and found a box of AA sized Ni-cad cells that had been left unused for several years. There were more than twenty of them.

I tested them to find only one or two with any residual charge, and the rest would not respond at all to a charger. After "Zapping" them all, I got all but three of four to charge, and several are still in use at this time.

The "wall-wart" chargers are the worst offenders, when it comes to overcharging.

Their current/voltage curves are not at all suited to the needs of the Ni-cad batteries.

Ni-cads need a controlled current, and a controlled voltage. The wall warts have neither! If the Wall wart says 9 volts at 200ma, it will do at least that under load; but with a lighter load, the voltage goes up-significantly. It is usually at least 25% higher at a no load condition.

When a battery is charged (any battery that I know of) the terminal voltage rises. This causes the charging current to drop in a non-regulated system, and as a result the charging voltage will rise slightly. This tends to counteract the drop in charging current, and the result is a slow but steady increase in the terminal voltage. At some point this needs to be stopped.

A regulated supply source will limit the voltage applied to the battery terminals to some safe upper limit, thereby limiting the allowable charging current at the higher terminal voltage.

By the same token, when the battery (cell) is placed on a charger in a discharged state, it would be nice to be able to limit the charging current. Now that we have a regulated supply to charge the battery, it is going to try to maintain it's regulated voltage. It doesn't care about the fact that there is almost a dead short across the output! So, the supply tries to charge the battery at a fixed voltage, and the current supplied goes way up to try to maintain the required terminal voltage. The result is a lot of heat-again.

The design of the charger, to be both voltage limited and current limited, is quite easy. Many circuits have been published, and the results have been very good, but you cannot expect the manufacturers to put these circuits in the wall wart type supplies. The wall-warts that I've opened up, have only a transformer and two diodes in them-period! Oh, I did see a resistor in one, but it was fried.

If you are going to use the wall-wart type charger, PLEASE DISCONNECT IT, after ten or twelve hours! Your batteries will live a much longer and happier life.

There may be some minor technical flaws in the above comments, but I think the general concept is quite accurate.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP/#120 ARCI/#7251
QRP-L/#844

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [11988] Parts recognition
Message-ID: <M1287015.001.kwrp0.1.970214060212Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Mark:

I suspect the part /B8141 MM5430N may be a proprietary device. Many semiconductor manufacturers have their standard lines, plus what they do for buyers on a contract basis.

They will do custom gradeouts from a specific standard device to a buyer's specifications, and give it a unique number. It will resemble their commercial numbers, but never appear anywhere outside because that part becomes proprietary to the buyer.

If that's the case, the only way to backtrack I can imagine is to go to the equipment manufacturer's parts people and ask, what is this thing? They might be able to say that it's graded out from the XYZ device by ABC company. And then again, maybe not.

The MM5430N at least suggests Motorola from the number structure, but that's only a guess.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Rick Sealey <rsealey@InfoAve.Net>
Subject: [11982] QRP Bob
Message-ID: <1.5.4.32.19970214040016.009c0800@mail.infoave.net>

Anybody know an email address for Wildernes Radio?

Thanks in advance.

Rick - KI4PZ

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Joe Gervais <vole@primenet.com>
Subject: [12027] QRP WAS: Which certificate to get?
Message-ID: <199702141720.KAA04481@usr09.primenet.com>

Howdy Folks,

All this talk of QRP WAS gets me thinking. Yeah I know,
a dangerous prospect at best. :-)

I'm now 3 QSLs and 1 VT QSO away from QRP WAS, and I'm
wondering which of the awards looks best. This thing is
going up in our bedroom (talk about a tolerant spouse!)
so I'd like it to be as nice as possible.

So do I go for ARCI QRP, ARRL, or some other WAS cert?
QRP endorsement is a must, BTW. Can't believe the ARRL
doesn't have one for DXCC. Time to start a writing
campaign!

Haven't qualified for ARS WAS *yet*, otherwise that'd
be my first choice.

Thoughts?

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [11967] QRP-L "Home Shopping Channel"
Message-ID: <19970213.165104.3606.0.rob3ert@juno.com>

Gang,

As I was sitting working on my new AT-11 kit, I had the following
thoughts about how much QRP-L affects me:

-The kit is from the recent group-buy, (thanks to Scott
Rosenfeld)-QRP-L.

-I'm using my magnifier/lamp from Danmark- thanks to someone from

QRP-L. (I really need it with the PCB in this kit; especially poor silkscreening, IMHO).

-I'm using solder from Electronic Goldmine - recommended by several QRP-Lers.

-Using a soldering iron - recommended by QRP-Lers.

-When finished, the tuner will be used with my NW40 xcvr (Roy Gregson), recommended by several QRP-Lers.

-The tuner will be powered by an "Allen Bond" power supply, as will the xcvr. Heard about these on QRP-L.

-Will work into my "yet to be erected" shortened attic dipole, ala HamCalc, talked about several times on QRP-L.

On and on, but you get the picture. I owe much to Chuck Adams and to the entire group here on QRP-L. I'm no "spring chicken", having been licensed for about 45 years, but this group helps keep me young!

Thank you all and keep up the great spirit found here.

Thanks for the BW.

72/73

Bob Parks
K6AEC (Las Vegas)
QRP-L#630
NorCal#1771
Life Member-ARRL
QRP ARCI#9321
etc, etc.

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Larry East <w1hue@amsat.org>
Subject: [12020] S38 Thumps, etc.
Message-ID: <2.2.16.19970214162342.140f4bca@eloi>

>How much gain follows the 4066? Hopefully not too much. (see 2
>above) If there is a lot of gain after the 4066, very little offset in DC
>level between TX and RX can cause a major problem. For example,
>let's say there is 1 millivolt DC offset between TX and RX audio lines.
>If the switch is inserted at a point where the following circuit gain is,

>say 20db, the output pulse (thump) would be 10 mV. On the other
>hand, if the switch is inserted at a point where the following gain is,
>say 60db, the output pulse would be 1 volt! That would be some
>thump.

>

I think you have hit on a possible source of the problem here -- been thinking about it myself but haven't actually built my 38S yet. The gain in the two audio op-amps AFTER the switch is about 1000, I believe. Well, I could be "full-of-it" here as I'm trying to recall the schematic from memory (that should give you a clue right there :-). In any event, it don't take much of a "blip" to get turned into a "boom" when amplified by a factor of 100 or more!

72, L.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: larry.kosch@tolttbbs.com
Subject: [11981] SCOUT 555 sold
Message-ID: <9702132239.0VTNM01@tolttbbs.com>

The scout 555 has been sold...TNX Larry...

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [12043] ScQRPion visit
Message-ID: <3304BC04.75F@harksystems.com>

My heartfelt thanks to the ScQRPions for the great time last Tuesday night! We were made to feel like one of the gang and they were polite enough to compliment my items for show and tell. It was very difficult to keep track of the WhiteBoy/CodeRook keyer. It would dissappear from view quite often... OK guys! hands on the table!... where's the WhiteRook!?! I think that the waiter serving us was having a good time watching a table full of adults grunt and ooh and ahh at all manner of "dissected" equipment! Floyd, NQ7X brought his "station in a box" including the really cool HB magnetic Iambic Paddle. Dan, KK7BD brought the latest creation from his shack. I

understand that he builds a new HB radio for every occasion.
This one was a thing of beauty! I was very impressed!
My OHR400 with the internal DD-1 had to be left in the Phoenix
area to make the "rounds". I volunteered to leave it before
Mike, NQ7K made it a "hostage situation". I did get to leave
AZ with the WB/CR keyer in my bags, though. (BTW, Mike, Dave
AI7R has the '400 now and will deliver it to KI7MN after he
works me on a sked this weekend.) We learned Dan's secret for
working the Phoenix area foxes, although it could work quite
well for the others in nearby states. (its a great story, I
won't spoil it for subsequent visitors)
Brian, W5VBO, Bob, KI7MN and Joe, AB7TT kept us entertained
with some great stories about FYBO and mountain driving. In
short, a very engaging bunch. DO NOT MISS a chance to meet
with the Phoenix area hams if you're ever there. Thanks
again, guys!!

--

73, Randy WJ4P

ScQRPion, QRP-L #296, ARCI #9152, 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "CHRIS KB5VYB" <guardianone@mvtel.net>
Subject: [12056] SOFTWARE NEEDED
Message-ID: <9702142333.AA27372@host.ot.centuryinter.net>

This is a multi-part message in MIME format.

-----=_NextPart_000_01BC1A9D.2CF56A80
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Is there a program that will allow the net control to type in the call
sign and start a database or have the info from previous nets entered to
bring up for the current session, it would make being net control much
easier

72 73 Chris KB5VYB QRP-L # 853 AK/QRP #38 AR/QRP #32 NC38S# 540
-----=_NextPart_000_01BC1A9D.2CF56A80
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

<html><head></head><BODY bgcolor=3D"#FFFFFF"><p><font size=3D4 =
color=3D"#000000" face=3D"Lucida Sans Unicode"><i>Is there a program =
that will allow the net control to type in the call sign =
 and start a database or have the info from previous nets entered =

to bring up for the current session, it would make being net =
control much easier

72 73 Chris KB5VYB QRP-L # 853 =
 AK/QRP #38 AR/QRP #32 NC38S# 540</p>
</body></html>
-----=_NextPart_000_01BC1A9D.2CF56A80--

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: wager@juno.com (James W. Cates)
Subject: [12010] Thanks, Net, for postage
Message-ID: <19970214.070427.3918.2.wager@juno.com>

Seems like everyone is sending in the postage increase money. Very gratifying, and much appreciated! Again, proves this group is great! Thank you, everyone.

jim, WA6GER.

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: QLF%mimi@magic.itg.ti.com
Subject: [12003] TO ARRL OR NOT TO ARRL??
Message-ID: <9702141249.AA27513@itg.ti.com>

From: Brad Bradfield QLF

Subj: TO ARRL OR NOT TO ARRL??

KF4KRV writes:

>My membership dues are due again for ARRL membership. I've heard some
>conflicting reports of the "worthiness" of ARRL and I'm trying to decide
>to re-up or not. Anybody have any input on this for me, either negative
>or positive. Being as the ARRL is the largest voice of amateur radio
>that's a plus for supporting it, but if the ARRL isn't listening to us
>little guys that's another story. I'm looking for input from both sides
>of the coin. Please reply EMAIL so as not to clutter the list too
>much...which I think I already do. :) I'll post the +/- score later.

Ed (and all) - -

I've been a League member continuously since 1971, and a Life Member since 76. Is the League perfect? Nah! But it's the best voice we have. Those who complain the loudest about the League are the ones who refuse to accept that

an organization of that size simply can't please everyone, no matter how hard they try. If we don't support the ARRL, what voice *DO* we have? Wayne Green? Wayne's never spoken for me, even several years ago when he tried to make a big deal about being the only registered ham radio lobbyist in Washington. Now Wayne's no dummy, and often makes some very valid points, but too often his bias is just a few milliamps beyond cutoff. Even Wayne knows that if he's going to criticize, he'd better know what he's talking about, and has been a long time League member. If you want the League to better serve you, then get involved and make sure they know where you stand.

Just my two Volts worth. Y'all have a great weekend.

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE

Electrical Design Engineer

(H) 817-321-2960

Texas Instruments, Inc.

(W) 972-462-6230

(Soon to be: Raytheon/TI Systems)

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Art Searle <w2nra@netusa.net>

Subject: [12025] toroids and enasmlled wire - why?

Message-ID: <3304C2E5.2D09@netusa.net>

Hi guys,

I am about to start building my new Sierra and I have a question about winding Toroids. In all the kits I've previously built I used enameled wire. I never questioned why. My dunb question is, if the number of turns is few enough to use insulated wire, why not do so? Thanks to one of our QRP-L members I have a good supply of high quality teflon insulated wire.

72 de Art

--

Art Searle, W2NRA, ARRL Life Member, NRA Benefactor Life Member
NRA Certified Firearms Instructor, <<http://www.nra.org/>>

--

Art Searle, W2NRA [ex WU2K], ARRL Life Member, QRP-L #524
QRP ARCI #9123, DXCC MX & CW HR, NRA Benefactor Life Member
NRA Certified Firearms Instructor, Fight for your rights!
Join the NRA now! NRA website <http://www.nra.org/>

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [12014] Ultimate portable QRP
Message-ID: <01IFEFWTC9S08WYPF1@tntech.edu>

Well just went into hock to get a QRP+++

was thinking maybe if I used a 30 meter dipole and if the LDG QRP
tuner would work to tune it for 20 and 40 (80 might be nice).. I
could take the plus, a gel cell, the small dipole and tuner up
into the Smokys

think it will tune the dipole.. have a 20 meter now.. wonder if it
would tune that

73

jeff

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [11973] WAS CW soooo close.....
Message-ID: <3303B493.54DC@amsat.org>

Well I just got in my QSL card for MT, making 49/50 states
confirmed with cw! The final one needed is, of course- ND.
I have worked two diffrent guys up there (one of them twice)
And they didn't QSL (they said they would too! :-(
(yes- sent them SASE's- twice! to make sure no lost mail)

Oh well, the quest continues.....

72 de Phil K6LS

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [11987] Re: 40 meter solution
Message-ID: <Pine.SUN.3.90.970213215827.14370C-1000000@vortex.sage.dri.edu>

On Thu, 13 Feb 1997 w8lrm@qtm.net wrote:

> Restore the band to its original designation
> of CW only.

Best suggestion yet!!! 40m used to be a great band!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [11993] Re: 40 meter solution
Message-ID: <Pine.SOL.3.91.970214023027.6939C-1000000@hyper>

On Thu, 13 Feb 1997, Monte Stark wrote:

> > Restore the band to its original designation
> > of CW only.
Never happen...
>
> Best suggestion yet!!! 40m used to be a great band!
And will be again when Sol starts distributing the load to the higher bands.

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Bob Reynolds <breynd@sigg.com>
Subject: [12008] Re: 40 meter solution -Reply
Message-ID: <97Feb14.085428cst.19666@firewall.sigg.com>

I agree - Red K5VOL

>>> Monte Stark <ku7y@sage.dri.edu> 02/13/97 11:59pm >>>
On Thu, 13 Feb 1997 w8lrm@qtm.net wrote:

> Restore the band to its original designation
> of CW only.

Best suggestion yet!!! 40m used to be a great band!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: k5vp@earthlink.net (Kevin Potter)
Subject: [11983] Re:Antenna
Message-ID: <v01540b00af2998bc4552@[206.250.92.75]>

Bob,
My SWR on 30 meters is 1.1:1 throughout that band. Rechecked it tonight to be sure.

Unfortunately, having been inactive for 15 years & this being my first time on 30, I have no way to compare on what I 'hear'. I have heard sigs & was happy. My initial thought is that iit is ok.

The only tuning prob I have had is on 15 & it appears to be a quick adjustment.

I'll keep you posted.

Kevin

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "William Nicolson Jr." <aa2yh@erols.com>
Subject: [12005] Re: Argo-Scout

Message-ID: <33046EF1.226D@erols.com>

bill_ames@juno.com wrote:

>

> I would be glad to hear what you think about it.

>

> Bill

> KB1LG

Well Bill got it on monday and have been making contacts all week mainly on 40 & 80. I already made a headphone adapter which has 500 ohm resistors in series with each ear piece. this makes a big difference in the sound and also cuts out the processor whine completely! When I got the rig the power was cranked up all the way so i reset it to about 5 watts. I think the argo works real good and find it easy to listen to cw on this rig!!! well bill i would like to know your impressions and any mods you have come up with??? 73 de bill AA2YH

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: k5zty@juno.com (WILLIAM A STIETENROTH)

Subject: [11969] Re: ARRL dues due for me,....what to do...

Message-ID: <19970214.011550.4647.0.k5zty@juno.com>

Ed,

Granted the ARRL has some warts, but if not them, who is going to represent amateur radio to the government ? that W5YI group, or Wayne Green??

At this time when the government is trying to balance the budget by selling the radio spectrum to commercial intrests, we had better have someone representing our interests to the congress. Read the "DC Currents" column in one of your recent QSTs and see what we are facing. Who's going to carry our CW survey results to the WARC conference? It all takes money, yours and mine.

Re-up.

72

Bill, K5ZTY

WITHOUT CW, IT'S JUST CB

ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440

QRP-L 473

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: "Marcus Leatham" <leatham@nortel.ca>

Subject: [12032] re:AT-11 Hint

Message-ID: <199702141731.MAA67589@nss2.CC.Lehigh.EDU>

AT-11 QRO Builders:

I too had the problem with holes being too small for the 14 pin header. I decided not to drill out the holes since they were plated-through. I taped the header to the board, so it wouldn't move, then I tack soldered the header to the top of the pads, with the soldering iron from below the board. Solder flows through the holes and onto the header pins. Fourteen tack-soldered connections proved to be very strong. I can plug and unplug the ribbon cable connector with no sign of looseness. I checked all pins for connectivity, all OK.

Regards,
Marcus KR5N

PS: The AT-11 QRP kit is next. Just from initial inspection, it looks like a better kit. Better silk screening, etc. Anybody else care to compare the two kits? Send your opinions.

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [12033] Re: AT-11 Hint
Message-ID: <19970214.102759.3398.0.gsurrency@juno.com>

I sent a Windoze Paint file to Bob, KI7MN, who put it up on his homepage. It's on the first page. Sorry for the small drawing, figured everyone had the ability to read a .bmp file in their Paint program, so that's what I used. I wanted it on one page, too. Print it out and it's adequate for dimensions. I hope LDG didn't change the PCB mounting hole or layout!!! ;-)

<http://www.dancris.com/~ki7mn>

Hope this helps you and others out.

I have built the AT-11 last year about this time, and I have the QRP version now to build thanks to the great effort by Scott Bauer. Thanks Scott!!!

Funny, I don't remember any problem with the PCB holes being too small

for the 1N4001 and the header strip on th QRO unit. Maybe LDG changed the PCB or the supplier?

I got the TT case along with the QRP tuner. Boy, is it pretty!

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
AZ ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [12041] Re: AT-11 Hint
Message-ID: <19970214.122739.4398.0.gsurrency@juno.com>

Sorry, I guess a Scott is a Scott is a Scott, to me at least.

Anyway, thanks to Scott X, whoever you may be! :-)

Oh Yeah! Aren't you the Scott wih all the S&S stuff? 8^)

Sorry for the confusion. First thing to go is the memory, you know.

cul & 72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: ka7you@juno.com
Subject: [12040] Re: Can you hear me? (Part II)
Message-ID: <19970214.104753.2871.11.KA7YOU@juno.com>

Brent,

Flagpole! Did you mention that and not think of the possibilities? Surely you are a patriotic person, and "need" a flagpole outside your third floor apartment! How about a St. Louis Vertical concept, or a helical wound PVC pipe with a mobile whip on the end.

You might be able to mount a 'Screwdriver' type antenna on a wall bracket, and have a counterpoise wire inside. Have a metal worker make up a wall bracket to mount a flagpole in, and you can substitute an

antenna when the need arises.

A ten or twelve foot piece of aluminum tubing (flagpole) with a custom make finial (containing a 3/8 x 24 thread) on the end would not cost much. When you bring in the flag and attach the mobile whip to the end (108" CB whip or Ham Stick), you have 18 to 20 feet of physical antenna, and more electrically if using a Ham Stick to top load it. That, in combination with a simple tuner, should get you on the air.

If mounting it on the outside wall is not possible, I'm sure a fabricator can figure out a way to make it fit around the window frame, so it is held in place by the nearly closed window. A vertical plate through the window frame will only leave a very small gap, which could easily be filled with foam insulating tape, or a piece of foam pipe wrapping.

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

On Fri, 14 Feb 1997 11:26:17 -0600 (CST) Brent Alexenko

<alexenko@prairie.nodak.edu> writes:

>First of all, thanks to everyone who has offered wonderful
>suggestions.

>

>The biggest problem is the apartment itself and it's physical
>properties.

>I live in a: One bedroom (pseduo-effiency apartment)

> With: No balcony

> No attic

> No rain-gutter (heard of tuning them up!)

> No trees nearby

> No roof access (but am on third floor)

>

>Hmm...it's frustrating, but I'm determined to get this working.

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: "Ed Manuel" <n5em-qrp@msn.com>

Subject: [12052] RE: Can you hear me? (Part II)

Message-ID: <UPMAIL06.199702142300150846@msn.com>

Brent,

Think this out. If you drop a wire out your window, it will be in front of their window. If you drop it out to the side of your window, it will be to the side of their window. If you get a piece of, say, 24 or 26 gauge magnet wire with a 1oz sinker on the end, it will lay right against the building and no one is liable to see it. If it's 25 degrees, they aren't going to open

their windows either. Just make sure that it does not drop lower than about 8 ft. above the ground so no one can see it at eye level. Bring it into your window with a piece of spaghetti insulation or through a 2 or 3 ft. piece of RG58 outer jacket. Pack the gap in the window with some insulation like you get to wrap your outside pipes - about 2 inches wide and 1/4 inch thick. Close your window down on all of it. No one is likely to climb in your 3rd floor window.

Feed your wire to a tuner that can take a long wire. Take another piece of wire, attach to the ground or case of the tuner, run along the baseboard of your room as a ground counterpoise.

If your apartment is not magnet-wire colored brick, paint your wire before you drop it a color to match the outside of the apartment. We're talking stealth, here.

If you have to use an inside loop, make one. Check out QST from about 1 to 2 years ago. There was an excellent construction article. You can build it for less than \$20 and it will outperform the Isotron thing you mentioned.

But do try the outside stealth wire. You will be pleased! They will not see it. And remember the wisdom of the ham radio operator - "It's always easier to ask forgiveness than to get permission!"

Ed, N5EM

From: owner-qrp-l@Lehigh.EDU on behalf of Brent Alexenko
Sent: Friday, February 14, 1997 11:26 AM
Subject: Can you hear me? (Part II)

First of all, thanks to everyone who has offered wonderful suggestions.

The biggest problem is the apartment itself and it's physical properties.

I live in a: One bedroom (pseduo-efficiency apartment)

With: No balcony

No attic

No rain-gutter (heard of tuning them up!)

No trees nearby

No roof access (but am on third floor)

Hmm...it's frustrating, but I'm determined to get this working. I can toss a wire out the window, but I'm not sure what the people below me will make of a wire across their window (hey, let's pull on this!). Besides, it's 25 degrees today, and that's the warmest it's been in quite a while. I REALLY don't want to operate with an open window. :)

I've considered Isotrons, but heard that they work marginally with QRP, and I want to be able to work more than one band. If I can get 40 and higher, I'll be a happy camper. The building is in a open space, with nothing very close by.

In the meantime, I've been playing with my Hamsticks. It's rather funny looking because I've got them balanced on an old bar stool in the middle of the living room/kitchen. I can hear you all out there, but so far nothing I send out has been responded to.

Well, I figure if Col. Hogan and the boys at Stalag 13 could get London with just the verticle on the flagpole, I'll find something also.

Keep those suggestions coming.

Thanks for all the help.

Brent
KG0WE

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: ka7you@juno.com
Subject: [11997] RE: drilling booms
Message-ID: <19970213.235147.2871.1.KA7YOU@juno.com>

I use a home made drill jig (angle iron 'V-block' and strap across the top with drill hole), to center the hole in the boom. After the first hole is drilled, I install a 12" to 18" piece of small all-thread which has a 90 degree bend near the end. The all-thread is mounded in the hole with the bent end away from the boom, and the bent end aligned with the length of the boom.

I hang a small plumb bob from the bent end of the all thread, and visually align that with the vertical support before drilling each hole. It seems to be a good method for me, but your accuracy may vary.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [11964] Re: DXCC QRPp NOT! WHY?

Message-ID: <Pine.OSF.3.94.970213182427.9928A-100000@fly.HiWAAAY.net>

On Thu, 13 Feb 1997, Doug Hendricks wrote:

> Guys for those of you thinking about joining or renewing your ARRL
> membership, how about sending an email message to Dave Sumner and asking
> him why the ARRL DXCC committee refuses to offer a QRP endorsement? The
> ARRL does it for other awards that they give, they have it as a category
> in sweepstakes, they publish books about it, but why don't they have a
> DXCC QRP endorsement?????

Hey Doug and Gang,
I think that I am going to ask Mr. Sumner that question and see what
kind of reply I get. I just sent in my dues about a week or so ago. I
am suppose to keep my dues upto date though, I'm an ORS (official
Relay Station). So I will let the Gang no what kind of reply I get.

Best 72 DE Matt, AE4JM

>
>

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Bill Todd <bill@techline.com>
Subject: [11992] Re: DXCC QRPP NOT! WHY?
Message-ID: <1.5.4.32.19970214071508.00680a38@mail.techline.com>

how about sending an email message to Dave Sumner and asking him
>why the ARRL DXCC committee refuses to offer a QRP endorsement?

Hi Doug -

You know, it might make for an effective campaign to have a large number of
QRPers refuse to send in their ARRL dues, with a note that they will not do
so until the DXCC rules allow for such an endorsement.

I wonder what would happen?

CUL, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: Dave Sjolin <sjolin@swbell.net>

Subject: [11990] Re: fix 40 M band plan now!

Message-ID: <33034890.571F@swbell.net>

> Okay, given that 40 meters is the most popular HF band there is, and the
> current USA band plan does not jive with the rest of the world, I think
> it's time something is done about it. Can we as a group make enough
> noise and static with the ARRL and FCC to have some changes made?
>
> Here's what I would do,
>
> 7.00 to 7.030 CW only. No license class sub segments. If your brave
> enough to want to use Morse code, do it here! The new QRP freq could be
> 7.025
>
> 7.031 to 7.050 digital modes, including high speed keyboard morse. Notice
> 1 Khz buffer between 7.30 and 7.31.
>
> 7.05 and above, SSB splatter and chatter.

Steve, it makes more sense to me than the current mess. Dxpeditions will have to get used to using other than 7025 but many of the bigger ones lately have been using 7022 or 7007 so maybe this wouldn't be a problem.

73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: TMOLL@AOL.COM

Subject: [12038] Re: Handicapped assistance & NorCal

Message-ID: <970214125058_-1006195114@emout15.mail.aol.com>

<< Someone suggested that NorCal add \$1 to each kit and then use the extra to provide kits for handicapped, etc. I don't think that is a good idea. >>

I suggested that it be a VOLUNTARY contribution, not a "tax." Anyone wishing to contribute more, or less, would be free to do so. I just thought it would be a convenient way to provide a collection / distribution point. I have not talked to the great folks at Norcal about the extra administration this might entail from them, and they already have their hands full, so maybe it is indeed a bad idea. I don't happen to personally know anyone that would be a candidate for one of these rigs, and I am sure many others that would be willing to help don't either. Just looking for a way.

Thanks for your input.

Tom, NoBS

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [12023] Re: Hurry Up!
Message-ID: <Pine.OSF.3.95.970214114309.22281B-100000@saturn.acs.oakland.edu>

On Fri, 14 Feb 1997, Paul R. Valko wrote:

> To get YOURS, send a message to: listserv@leigh.edu

Damn "H" key...

TO GET YOURS, send the message to: listserv@lehigh.edu

>

> With a single line of text: run qrp-l x getnr YOUR_CALLSIGN

> For Example: run qrp-l x getnr W8KC

73! =paul= W8KC

qrp-l #59

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: k5zty@juno.com (WILLIAM A STIETENROTH)
Subject: [11979] Re: more on L/C Meter
Message-ID: <19970214.022259.4647.4.k5zty@juno.com>

Dah and Group,

There is also a construction article on LC and Capacitance adaptors in the November 96 issue of Popular Electronics, which is a sister magazine to Electrinics Now.

An SASE and an loose 32 cent stamp will get anyone that wants one a copy of the article from me.

72,

Bill, K5ZTY

WITHOUT CW, IT'S JUST CB

ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440

QRP-L 473

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [11984] Re: New Vanity Call
Message-ID: <33038699.62248873@smtp.usit.net>

On Thu, 13 Feb 1997 9:47:00 -0600, "Dan Tayloe-P26412"
<Dan_Tayloe-P26412@email.mot.com> wrote:

> The FCC must be getting their computers up and running again. I =
filed=20
> for a new one electronically about the end of December. =20
> =20
> I just checked the call sign server this morning and found that I =
have=20
> been issued "N7VE". I like the shorter call sign, but I am not =
sure I=20
> like the "e" hanging out on the end.....=20
> =20
> I have grown kind of found of "KK7BD". Oh well.... Out with the =
old,=20
> in with the new!
> =20
> - Dan Tayloe, N7VE (ex KK7BD), Phoenix, Az, QRP1 # 696, Az =
ScQRPions

Mine went in and came out about the same time. Unfortunately, all
my "4" call area choices must have been taken. I'm now KM7W (7th
area seems to have a lot available).

I'm experiencing the same emotions as well -- I like the shorter
callsign, particularly for CW and particularly since it does
indicate the Extra Class. But 'ol KN4BH was (as we say in the
South) a "good 'un".

My first choice (KN4M) was listed as available on QRZ, but was not
assigned to me. Wonder how/if I can get that call? Perhaps time
hadn't expired on the grace period yet?

Anybody got a two-year old callbook that can look up KN4M for me?
Tnx.

72 es 73 de=20
Marty, KM7W (x-KN4BH)

Jackson, Tennessee

e-mail: mdwatt@usit.net
<http://www.public.usit.net/mdwatt>

"The Curmudgeon's Corner"

ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq

~~~~~  
From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "Steve Hurst" <shurst@magiclink.com>  
Subject: [11999] Re: New Vanity Call  
Message-ID: <199702140833.DAA61853@nss2.CC.Lehigh.EDU>

You mean to tell me you don't have to be in the call area to rx that area's call???

What are call signs for anyway, to identify area and station op !!!! Money hungry FCC, shame on you !!! Lets see , I think I wanna be a KH6 today.....Maybe a KH2 tomorrow , then its "north to Alaska" ..  
!!!!!!

73,

Steve Hurst

KA7NOC <----- original call <----- just say "NO" to  
vanity !!!!!!!!!!!!! :-)  
Flame suit fits real good !!!  
shurst@magiclink.com  
dit dit and all that Jazz.....

\*\*\*\*\*

Marty Watt wrote:

-----

<snip>

Mine went in and came out about the same time. Unfortunately, all my "4" call area choices must have been taken. I'm now KM7W (7th area seems to have a lot available).

72 es 73 de

Marty, KM7W (x-KN4BH)

-----  
Jackson, Tennessee

e-mail: mdwatt@usit.net

<http://www.public.usit.net/mdwatt>

"The Curmudgeon's Corner"

ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq

~~~~~  

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [12009] Re: New Vanity Call
Message-ID: <330467ea.24742557@smtp.usit.net>

On Fri, 14 Feb 1997 01:36:20 -0700, "Steve Hurst"
<shurst@magiclink.com> wrote:

>You mean to tell me you don't have to be in the call area to rx that =
area's
>call??? =20

Them's the rules ...

>What are call signs for anyway, to identify area and station op !!!! =
Money
>hungry FCC, shame on you !!! Lets see , I think I wanna be a KH6
>today.....Maybe a KH2 tomorrow , then its "north to Alaska" ..
>!!!!!!!!!!!!

Not quite -- geography does matter for the calls you mention. Just
not for the "lower 48". When the FCC decided some years back that
you could move without changing the call district designator, that
sort of was the beginning of the end for "I know where you're from"
callsigns.

Besides, poor 4th call district, ran out of everything first.
Regardless, KM7W is a much better (i.e., shorter) CW call than
KN4BH, or it's predecessor, N4UYT. I could have (I think) claimed
my great uncle's old callsign, W0YFL, but what a bugger that would
have been on CW!

I don't necessarily disagree with your sentiments, but if it's
available, I'm going to take advantage. I have some friends who
were able to request callsigns back in the 60's (?I think?), like
N4IR ... and saw the benefit he has on CW. I don't realistically
think vanity calls will be around that long, so thought I'd take my
shot.

My preference (personally) would be to redraw the call districts to
get a more even distribution of calls, and require permanent address
to match callsign. Kentucky would probably move to "8" land,
Virginia to "3" land, Tennessee and Alabama would pick up "5" calls.
Unfortunately, even that wouldn't work so well, unless half of
California (I'd guess southern cal) kept "6" and the other half

moved to "7" land.

So, in short, take the asbestos underwear off! It's not good for the health! :)

>
>73,
>Steve Hurst
>KA7NOC <----- original call <----- just say "NO" to
>vanity !!!!!!!!!!!!! :-)
>Flame suit fits real good !!!
>shurst@magiclink.com
>dit dit and all that Jazz.....

72 es 73 de=20
Marty, KM7W (x-KN4BH)

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [12028] Re: Ni-cads and all  
Message-ID: <v01530500af2a4b988c02@[192.0.2.1]>

Gang,

Rod is right - Ni-Cads require tender loving care if you want them to give good service. The typical "charger" supplied is a real detriment to battery life (it's cheap, and they are really in the battery business - go figure!).

A Ni-Cad charger doesn't have to be complex, or expensive. I've used a simple HB "constant-current" charger successfully for years. It uses a 3-terminal 5v regulator chip, connected as a constant current regulator. I've set it up to provide C/10 for AA cells (approx 60 ma), which the cells can essentially withstand continuously. It takes approximately 14 hours to recharge fully discharged cells. It's simple, reliable, and if you forget to disconnect it over a weekend, you've done no harm!

If anyone is interested in the circuit diagram, I'll be glad to supply it.

72/73 - Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arci #3551  
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [12045] Re: Ni-cads and all  
Message-ID: <19970214.115752.3398.1.gsurrency@juno.com>

If you want your Nicad batteries to last, treat them to a decent charger like the ones from Summit Products or Battery-Tech.

They use the negative delta-v technique to determine when the battery has reached full charge and then they shutdown with only a maintenance pulse remaining.

I personally like the Summit Products unit the best, as it applies a brief discharge pulse during each charge pulse to stop the oxygen formation at the positive terminal. This stops gassing and allows the plates better exposure to the chemical process. It is a kit, and allows a number of options during construction to match your application.

However, you must select the battery voltage during construction for the Summit unit, where the Battery-Tech unit will charge almost anything you can hook to it. I put some clip leads on mine to accomodate whatever I have. Both are intelligent chargers, and charge rather quickly but do not overheat the batteries.

Summit Products is at: 702 782-7622 (this is a kit)  
Battery-Tech is at:            800 442-4275 (several models available)

I have both of these, and highly recommend them to preserve your batteries.

Battery-Tech is at a lot of hamfests, pick up one of their catalogs or call and ask them for one. Summit Products Corp. chargers were described in World Radio March 1996.

Your Nicads are too expensive to mistreat with bad charging methods.

73,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) and ARK30  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
AZ ScQRPpions

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [11991] Re: Parts recognition  
Message-ID: <Roam.3.0.1.855901581.4167.myers@bigboy>

> Mark:  
> I suspect the part /B8141 MM5430N may be a proprietary device. Many  
> semiconductor manufacturers have their standard lines, plus what they do for  
> buyers on a contract basis.

MM5340N is almost certainly an old National Semiconductor MOS part...

[...]

> The MM5430N at least suggests Motorola from the number structure, but that's  
> only a guess.

Does the part sport the cool batwing logo or the ugly old NS in block letters?

Dana K6JQ  
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [12026] Re: Parts recognition  
Message-ID: <19970214.110530.2583.4.tahrens1@juno.com>

>> I suspect the part /B8141 MM5430N may be a proprietary device. Many  
>  
>> semiconductor manufacturers have their standard lines, plus what  
>they do for  
>> buyers on a contract basis.  
>



>MM5340N is almost certainly an old National Semiconductor MOS part...  
>  
>[...]  
>  
>> The MM5430N at least suggests Motorola from the number structure,  
>but that's  
>> only a guess.  
>  
>Does the part sport the cool batwing logo or the ugly old NS in block  
>letters?  
>  
>Dana K6JQ  
>Dana@Source.Net

Another way to determine who manufactured the part is by a 3 digit number. Generally this is used on 'house marked' parts. The only one I know is Motorola, and it is 185. Unfortunately, this doesn't tell you anything about what the part is! Almost all Motorola devices (especially the larger parts) start with the prefix 'MC'. Sometimes 'XC' or 'PC'.

Thanks,

Tim W5FN

>  
>

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: wylde@nccn.net (Grover, K7TP)  
Subject: [11977] Re: QRP++  
Message-ID: <v02130500af297efb0898@[205.139.74.219]>

The QRP++ has found a nice home in Tennessee.

Grover  
K7TP

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: James Parsons <k5rov1@worldnet.att.net>  
Subject: [11965] Re: Re[2]: cmos Super Keyer II & voltage  
Message-ID: <1.5.4.32.19970214002938.0068def8@204.127.3.1>

At 11:49 PM 1/19/97 +0000, you wrote:

>  
> Jim,  
>  
> Thank you for the tip -- I used one of those extra small cases for the  
> keyer with a 9 volt compartment, thus the regulator, thus the error!  
>  
> By the way, my next move is to put the keyer in the radio case with  
> the memory buttons on the case.  
>  
> Have you experienced interference or QRN when sending because of  
> the keyer?  
>  
> Thank you,  
>  
> Kris  
> OA4DB0  
>  
Hi, Kris...

No, I have not noticed any interference, QRN, or any problem since using the CMOS keyers. I use these keyers with a Yaesu FT-1000, Yaesu FT-890, two Heathkit HW-8's, and a Kenwood TS-430. All work fine with the CMOS keyers with no negative effects at all. I have both of mine in the little Ten-Tec cases, batteries included. On the CMOS II, I have the buttons and the speed control coming out the front. The only connections on the back are from the paddle, and to the transceiver key jack. The CMOS III is the same except that the six buttons are on the top of the case. No power connection is needed and none included.

I have run my setup between QRP (2 watts) and a full KW, and never had any kind of problem at all.

Good luck and best 73...

Jim, K5ROV

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [11970] Re: RF samplers  
Message-ID: <199702140130.UAA00776@mail3.voicenet.com>

Preston, you wrote, in part:

>Hi Gang,

>

>I was wondering what the pundits do to look at transmitter output with their  
>scopes. Obviously, one doesn't put the output of even a 5W rig directly into  
>the scope input, let alone trying that with a 100watt rig. Right? (If this  
>question only confirms how ignorant I am, well, ok call me ignorant....then  
>tell me the answer!)

I \*could\* go into a long dissertation about just how to do it, but here's a  
simple answer ( useful if you are a QRP ARCI member). I had a Joe's Quickie in  
Mike C's Idea Exchange in a recent QRP Quarterly on a similar topic. It was  
a simple-to-build 30 dB attenuator pad that simultaneously loads a transmitter  
with 50 ohms \*and\* reduces the output voltage to a tolerable level. It allows  
you to monitor your transmitter output without radiating from an antenna or  
burning up your high priced 'scope.

Hope this helps!

72/73,

Joe E., N2CX

>From Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Dave & Connie Matthews <dmatt@FRONTIERNET.NET>

Subject: [11975] RE: RF samplers

Message-ID: <199702140128.UAA31608@node1.frontiernet.net>

>> Hi Gang,

>>

>> I was wondering what the pundits do to look at transmitter output with  
>> their scopes. Obviously, one doesn't put the output of even a 5W rig  
>> directly into the scope input, let alone trying that with a 100watt rig.  
>> Right?

>Connect Rig to 50 ohm dummy load and connect low C scope probe to output of  
>rig.  $P = E^2/R$  so with 100 watts output voltage across 50 ohm load is 70.7  
>Volts, well within the scope's rating. A good rule of thumb to remember is  
>that 50V across 50 ohms is 50 watts.

I'm quoting out of a digest so please excuse any misquotes. The only

time I have ever wacked a scope was a Tek 465 when a transformer shorted on a servo amp out of a radar. I shoved 3500+ volts down the scope when I was expecting 300 or so. The attenuater pad popped on one setting. The nifty super expensive HP digial VOM just blanked its display. The reason that I know that I was 3500+ is that was the rating on the VOM (to 100 MHz!).

You should be able to measure just about any transmitter output into a 50 ohm load with any reasonable scope.

Dave  
KB2YWT - ex 22L20 Nike Test Equipment Repairman

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: k5zty@juno.com (WILLIAM A STIETENROTH)  
Subject: [11978] Re: RF samplers  
Message-ID: <19970214.022259.4647.3.k5zty@juno.com>

Paul,

There's a RF line sampler project in the Oct. '96 QRP Quarterly in Mike Cs Idea Exchange column. One resistor, one cap., two diodes, two connectors, and a box.

72,  
Bill, K5ZTY

WITHOUT CW, IT'S JUST CB  
ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440  
QRP-L 473

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: tayloe\_d@juno.com (Daniel R Tayloe)  
Subject: [11989] Re: RF samplers  
Message-ID: <19970213.225939.7719.2.tayloe\_d@juno.com>

>I was wondering what the pundits do to look at transmitter output with  
their  
>scopes. Obviously, one doesn't put the output of even a 5W rig directly  
into  
>the scope input, let alone trying that with a 100watt rig. Right? (If  
this

>question only confirms how ignorant I am, well, ok call me  
ignorant....then  
>tell me the answer!)

>Preston WJ2V

Preston:

I do indeed view the output of my QRP rigs directly with a scope. 5w  
output is  
about 44 v peak to peak. My probes are high impedance, 10x attenuation  
probes. The high impedance does not affect the circuit much at the 50  
ohm  
load. It does add 15pf, but again, that is not much at HF across a 50  
load.

Because my probe is 10x attenuation, the scope actually sees only 4.4v  
peak  
to peak..... Not much. Even at higher power levels, 100w is only 200 v  
peak to  
peak, or 20v peak to peak into the scope.

Not a problem!

- Dan Tayloe, N7VE (ex-KK7BD), Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997

From: Larry East <w1hue@amsat.org>

Subject: [12017] RE: RF samplers

Message-ID: <2.2.16.19970214160635.55471410@eloi>

>I was wondering what the pundits do to look at transmitter output with their  
>scopes. Obviously, one doesn't put the output of even a 5W rig directly into  
>the scope input, let alone trying that with a 100watt rig. Right? (If this  
>question only confirms how ignorant I am, well, ok call me ignorant....then  
>tell me the answer!)

Well, at 5 Watts the peak-to-peak RF voltage across 50 Ohms is about 45V.  
Most 'scopes can handle this via an input attenuator. I have a 15W 50 Ohm  
dummy load (that Radio Shack used to sell -- you might still be able to find  
one) with UHF connector that I connect to a "T" at my scope input. Output  
from a QRP rig that I'm checking goes to the other end of the "T".

For higher power levels, I use a simple resistor voltage divider across a

"CanTenna" dummy load -- In fact, I have the divider inside the dummy load can with the low level output connected to a BNC connector on top of the can. The division ratio is 100:1 and the total resistance of the divider is around 10K as I recall. Works OK on HF, but one would have to be a little careful about series inductance/shunt capacitance effects at VHF and above.

Hope this helps.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: PDouglas12@aol.com  
Subject: [12018] Re: RF samplers  
Message-ID: <970214111007\_-1240766715@emout17.mail.aol.com>

Hi Dan,

In response to your inquiry about the spectrum analyzer.  
About six or seven months ago, Steve Weber KD1JV (see CC above for his email address) decided to share his genius with the QRP-L. He had built himself a spectrum analyzer scope adapter (SA/SA) that would work with most simple scopes, and he asked online if there might be interest in a kit. I think about 40 people committed to pay \$80 for a kit based on blind faith and Steve's belief he could do this single handed. He did do it, and we all have our kits. It was quite an accomplishment for one person. Mine is on the bench, but bogged down by my having bitten off too many projects to chew efficiently all at once. I am told, though, that a number of SA/SA kits are up and running! The announcements on QRP-L, incidentally all carried the "SA/SA" in their subject lines if you would want to go back to the archives and find them. I do not know if Steve has any parts/pc boards/ or full kits left (probably not, I fear) but you may wish to ask him. .

I imagine though, there may be one or two folks out there with kits that they are not going to build who may be willing to resell. Maybe Steve knows of one, if you are interested, Dan.

Someone recently posted a nice note about all the things that have enriched his shack that originated from ideas here on the QRP-L. This was another one of those bright ideas.

72,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "Mike Czuhajewski" <mczuhajewski@evi-inc.com>  
Subject: [12037] Re: RF samplers  
Message-ID: <199702141746.MAA08804@xanadu.evi-inc.com>

> There's a RF line sampler project in the Oct. '96 QRP Quarterly in Mike  
> Cs Idea Exchange column. One resistor, one cap., two diodes, two  
> connectors, and a box.  
>  
> 72,  
> Bill, K5ZTY

But you forget to mention that YOU were the author of that item in the column!

In the meantime, the April edition of the column will contain another sampler circuit--mine, but hardly original--that only uses a toroid, in conjunction with your dummy load.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: kd1jv@juno.com (Steven Weber)  
Subject: [12042] Re: RF samplers  
Message-ID: <19970214.142628.4847.0.KD1JV@juno.com>

Thanks for the nice plug Preston.

I started taking names for the SA/SA project about the end of last October. All the kits were shipped by the new year, so that's what, about 2 months from start to finish. It would have been sooner, but it took a while to get the boards made. A total of 25 kits in the end. Not bad, but a lot of work, let me tell you.

I have to admit, it didn't work quite as well as I had hoped, but to my knowlage, everyone is happy with it and at 1/8th the price of the cheapest commercial version, you have to expect some limitations!

I'm shy a few parts, but I could put together another 2 to 5 kits with out much trouble.

73, Steve, KD1JV

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [11971] Re: Thumper 8 volts, 4066's and ne602's  
Message-ID: <19970213.202640.2527.0.WB8YGG@juno.com>

Ok, lots of great ideas here now.

Now to find the time to test..

Let's see. Joe Everheart was right on the supply rails.  
But a Purple CMOS book? Only one old crusty Tech  
at G.E. had one of them.. Mine is circa 1978 Orange..  
I had it stole 2 or three times by colleagues, but  
I got it back every time..

Anyway, back to the topic at hand.

I was reading a spec on the chip:

Crosstalk Control input to Output.. Typical is 300milli volts  
with  
-+ 5V supply. This is hard to tell what this means. Typically I think  
of crosstalk @ some frequency, but it's not written that way.. So if I  
have a  
sharp rising control signal, does that mean I get a thump from that?  
Just thoughts..

Well, back to reading.

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "Ed Manuel" <n5em-qrp@msn.com>  
Subject: [12035] RE: toroids and enameled wire - why?  
Message-ID: <UPMAIL06.199702141739500764@msn.com>

Art,

No problem at all. All the insulation does is reduce the number of turns you  
can put on a toroid. In fact, if you look in old handbooks for 4:1 baluns  
built for antenna tuners (misnomer, of course), you will find that to handle  
the typical high power and voltage of a QRO rig, they recommended that you  
wind your toroid (the BIG jobs) with Teflon tape and use Teflon wire to reduce



flashover in the winding as a result of the very high voltages developed at higher impedances.

Ed, N5EM

My dunb question is,  
if the number of turns is few enough to use insulated wire, why  
not do so? Thanks to one of our QRP-L members I have a good  
supply of high quality teflon insulated wire.

72 de Art

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: torell@sicom.com (Kent Torell)  
Subject: [12036] Re: toroids and enasmled wire - why?  
Message-ID: <v02130502af2a4e65a781@[192.91.202.41]>

>if the number of turns is few enough to use insulated wire, why  
>not do so? Thanks to one of our QRP-L members I have a good  
>supply of high quality teflon insulated wire.

Sounds OK to me. Usually we try to use the largest diameter wire we can on the torroid, to keep the Q up (lowest resistance). Also, possibly, current ratings. If your wire is at least the same gage called for, go ahead. (remember that the wire gets smaller as the gage number gets bigger)

72, ab7oa

Kent Torell    torell@sicom.com    602-483-2867 x230  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB70A    qrp-l 57    ARCI 9075    DM33xn    33.55 N 111.078 W

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [12039] Re: toroids and enasmled wire - why?  
Message-ID: <Roam.3.0.1.855944884.733.myers@bigboy>

Kent AB70A wrote:

> >if the number of turns is few enough to use insulated wire, why  
> >not do so? Thanks to one of our QRP-L members I have a good  
> >supply of high quality teflon insulated wire.

>  
> Sounds OK to me. Usually we try to use the largest diameter wire we can on  
> the torroid, to keep the Q up (lowest resistance). Also, possibly, current  
> ratings. If your wire is at least the same gage called for, go ahead.  
> (remember that the wire gets smaller as the gage number gets bigger)

I've never actually measured it, but the Q of a coil can be degraded by the loss of the insulation. If I use insulated wire on a toroid these days, the insulation is Teflon, which has an advantage in terms of heat resistance and toughness. Most of the time I use enameled wire, though.

Dana K6JQ  
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [12046] Re: toroids and enasmled wire - why?  
Message-ID: <3.0.32.19970214150243.0095a270@tiger.avana.net>

One thing that stands out to me is that toroids are sensitive to the distance between the wire and the core material. "GAP" is an important term. What I do NOT know is whether there is any significant difference between two toroids with the same size wire, one with enamel and one with insulated wire. I tend to think it is NOT a significant difference... but without trying... I can't say for certain. Guess I'll have to put that on my list of 'stuff I meant to find out about'... one other factor is that there is some problem using stranded wire vs solid wire-at least for high power coils. How THAT applies here I am also unsure of. I have a HP/Boonton 260A Q-meter sitting on its side downstairs in that basement I need to clean up-and set up-so maybe I will get around to it sometime this spring! Sorry I probably raised more questions than I answered-I hope it's food for thought.

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140  
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [12048] Re: toroids and enasmled wire - why?  
Message-ID: <Pine.LNX.3.91.970214130249.2241A-100000@dt1.datatamers.com>

Art,

If you keep the wire size the same it probably will be OK. Two minor effects:

- 1) Teflon has a dielectric constant of 2, so the distributed capacitance will be doubled. That could cause a self-resonant frequency to decrease and fall into a ham band or a ham-band harmonic (bad).
- 2) The Teflon will space the wire farther away from the core, causing a "looser" winding, and probably lower inductance than desired. If it is a transformer, the leakage inductance will be increased, degrading the high-frequency performance.

In the interest of building the kit as close to the design as possible I suggest you use the enameled wire supplied and save the Teflon wire for an occasion where it is needed (or sell it!).

72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [11986] Re: WAS CW soooo close.....  
Message-ID: <Pine.SUN.3.90.970213215549.14370B-100000@vortex.sage.dri.edu>

Hi Phil,

The first time I worked WAS, I also had one state that I just couldn't seem to get a card from.

So, I used one of the QSL cards without a call on it and made one from that station, filled out to me for our qso. Sent that with a SASE and a note begging him to just sign it and return it!

It worked and I got not only the card, but a nice note!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Fri Feb 14 18:04:31 1997  
From: kimitsuka\_glen <glenk@dsg.tandem.com>  
Subject: [12024] Re: WAS CW soooo close.....  
Message-ID: <9702141656.AA14708@sid1.dsg.tandem.com>

Phil, I can relate....

When I got in the high 40's, Wyoming was my problem. I sent two QSL's with SASE. I even got desperate and called the fellow after finding his number via 411. He never did confirm.

On the other hand, my #50 was Vermont. This guy sent me two QSL's just in case one got lost!

So I have WAS CW right here on my office wall.

Good luck, Glen K6GK